

MATERIAL SAFETY DATA SHEET

	IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING		
Product Name:	Canon FINE Cartridge PG-37		
Product Code:	2145B		
Company Name:	Canon Europa N.V.		
Address:	Bovenkerkerweg 59-61, 1185 XB, Amstelveen, The Netherlands		
Use of the Product:	Ink for Ink Jet Printer		
Product Name: Product Code: Company Name: Address:	Canon FINE Cartridge PG-37 2145B Canon Europa N.V. Bovenkerkerweg 59-61, 1185 XB, Amstelveen, The Netherlands		

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

SECTION 2	COMIOSI			JI ON INGRE	DIENIS		
< Ingredient(s) > Chemical Name / Generic Name	CAS # / EC #	Weight %	EU Symbol/ R-Phrase	USA OSHA PEL	ACGIH TLV	EU ILV	DFG MAK
Glycerin	56-81-5 / 200-289-5	5 - 10	None / None	(as mist) Total dust TWA = 15 mg/m ³ Respirable fraction TWA = 5 mg/m ³	(as mist) TWA = 10 mg/m ³	Not established	Not established
Diethylene glycol	111-46-6 / 203-872-2	5 - 10	Xn / R22	Not established	Not established	Not established	10 ppm, 44 mg/m ³
Lactam	Confidential	5 - 10	None / None	Not established	Not established	Not established	Not established
Water	7732-18-5 / 231-791-2	60 - 80	None / None	Not established	Not established	Not established	Not established



< Carcinogen >

No component of this ink is listed as a human carcinogen or a potential carcinogen in IARC Monographs, NTP, OSHA regulations or Annex I to Directive 67/548/EEC.

SECTION 3 HAZARDS IDENTIFICATION

EU Classification:

Not classified as dangerous.

Emergency Overview:

Ink cartridge containing black liquid ink with slight odor.

Potential Health Effects and Symptoms:

Inhalation:

No adverse effects are expected under intended use.

Over exposure to vapor or mist may cause respiratory tract irritation, cough, dizziness, drowsiness, headache and nausea.

Ingestion:

May cause abdominal pain, diarrhea, dizziness, drowsiness, dullness, headache, nausea and vomiting.

Eye:

No irritation is expected. (See SECTION 11)

Skin:

May cause mild irritation and no sensitization. (See SECTION 11)

Chronic Effects:

Not identified

Medical Conditions Generally known to be Aggravated by Exposure:

Not identified

SECTION 4 FIRST AID MEASURES

First Aid Measures:

Inhalation:

If symptoms are experienced, move victim to fresh air and obtain medical advice.

Ingestion:

Rinse mouth. Give one or two glasses of water.

If irritation or discomfort occurs, obtain medical advice immediately.

Eye:

Immediately flush with lukewarm, gently flowing water for 5 minutes or until the chemical is removed. If irritation persists, obtain medical advice immediately.

Skin:

Wash with water and soap or mild detergent.

If irritation persists, obtain medical advice.

Note to Physicians:

None



SECTION 5 FIRE FIGHTING MEASURES

Fire Fighting Measures:

Extinguishing Media:

 CO_2 , water, foam or dry chemicals

Unsuitable Extinguishing Media:

None

Special Fire Fighting Procedures:

None

Unusual Fire and Explosion Hazards: None

Fire and Explosive Properties (See also SECTION 9):

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Hazardous Combustion Products: CO, CO₂, NOx and SOx

Other Properties:

None

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Avoid contact with skin, eyes and clothing.

Environmental Precautions:

Do not release to sewer, surface water or ground water.

Method for Cleaning Up:

Wipe off with wet cloth or paper.

SECTION 7 HANDLING AND STORAGE

Handling:

Use with adequate ventilation. Avoid contact with skin, eyes and clothing. In case of contact, wash out the contaminated area immediately.

Storage:

Keep in a cool and dry place. Protect from sunlight. Keep out of the reach of children.

Specific Uses:

Ink for Ink Jet Printer. For more information, please refer to the instruction of this product.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

Not established for this ink. (See also SECTION 2)

Engineering Controls:

Use adequate ventilation.

Personal Protection Equipment(s):

Respiratory Protection: Required X Not Required

Protection:	Required
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Not Required

Skin Protection:

Eye/Face

□ Required ▼ Not Required



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PHYSICAL AND CHEMICAL PROPERTIES **SECTION 9**

Appearance:	Black liquid
Odor:	Slight odor
pH:	7 - 8
Boiling Point/Range(°C):	Not available
Melting Point/Range(°C):	Not available
Decomposition Temperature(°C):	Not available
Flash Point(°C):	None (Estimate)
Flammable (Explosive) Limits:	Not available
Autoignition Temperature(°C):	Not available
Flammability:	Neither flammable nor combustible.
Explosive Properties:	None (Estimate)
Oxidizing Properties:	None (Estimate)
Vapor Pressure :	Not available
Vapor Density :	Not available
Density / Specific Gravity:	1.0 - 1.1
Water Solubility :	Miscible
Fat Solubility :	Not available
Partition Coefficient (n-Octanol/Water):	Not available
Percent Volatile (%):	60 - 80
Evaporation Rate:	Not available
Viscosity (mPa s):	1-5
SECTION 10 STABILITY AND R	EACTIVITY
Stability:	⊠ Stable □ Unstable
Conditions to Avoid:	None
Materials to Avoid:	Acids, bases, oxidizing materials and reducing agents
Hazardous Decomposition Products:	CO, CO ₂ , NOx, SOx and Ammonia

Conditions to Avoid:

Hazardous Polymerization:

None

May Occur

Will Not Occur



SECTION 11	TOXICOLOGICAL INFORMATION
	TOAICOLOGICAL INFORMATION
Acute Toxicity:	
Inhalation:	
Not availa	ible
Ingestion:	
Not availa	ıble
Eye:	
Non-irrita	nt (rabbit)
OECD	Guidelines No.405 (2002), 2004/73/EC Method B5
Skin:	
Mild irrita	ant (rabbit)
OECD	Guidelines No.404 (2002), 2004/73/EC Method B4
Sensitization:	
Non-sensi	itizer (mouse)
OECD	Guidelines No.429 (2002), 2004/73/EC Method B42
Mutagenicity:	
Ames test	:: Negative (S. typhimurium & E. Coli)
Reproductive To	oxicity:
Not availa	able
Carcinogenicity	:
Not availa	ıble
Others:	
Not availa	able



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SECTION 12	ECOLOGICAL INFORMATION
Mobility:	Not available
Persistence / Degradability:	Not available
Bioaccumulation:	Not available
Ecotoxicity:	Not available
Other Adverse Effe	Not available
SECTION 13	DISPOSAL CONSIDERATIONS
Method of Disposal	
Disposal should	be subject to federal, state and local laws.
SECTION 14	TRANSPORT INFORMATION
UN #:	None
UN Shipping Name	None
UN Classification:	None
UN Packing Group	None
Marine Pollutant:	 ☐ Yes Chemical name (wt%): ☑ No
Special Precautions	None
SECTION 15 < EU Information >	REGULATORY INFORMATION
Information on the	
	cation: Not required
R-Phrase:	
Not required	
S-Phrase: Not required	
Dangerous Con Not required	nponent(s):
Special Precaut Not required	ions under 1999/45/EC Annex V:
	in Relation to Protection of Man or the Environment:
76/769/EEC:	Not regulated
(EC)2037/2000	Not regulated
(EC)304/2003:	Not regulated
Others:	None



< USA Information > Information on the Label under FH	SA:	
Signal Word: Not required		
Hazard warning: Not required		
Safety Advice: Not required		
Hazardous Component(s): Not required		
SARA Title III §313: Chemical Name None		Weight %
California Proposition 65: Chemical Name		Weight %
None		weight 70
< Canada Information > WHMIS Controlled Product:	Not applicable (Manufactured article)	
< Australia Information > Statement of Hazardous Nature	Not classified as hazardous according to criteria	a of NOHSC.
SECTION 16 OTHER INFOR R phrase list R22: Harmful if swallowed.	RMATION	

Term explanation Estimate: Estimate based on data of similar ink or the ingredient(s).



Literature References:

- U.S. Department of Labor, 29CFR Part 1910
- U.S. Environmental Protection Agency, 40CFR Part 372
- U.S. Consumer Product Safety Commission, 16CFR Part 1500
- ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices
- U.S. Department of Health and Human Services National Toxicology Program, Annual Report on Carcinogens
- World Health Organization International Agency for Research on Cancer, IARC Monographs on the Evaluation on the Carcinogenic Risk of Chemicals to Humans
- DFG, List of MAK and BAT Values
- EU Directive 76/769/EEC, 67/548/EEC, 1999/45/EC
- EU Regulation (EC)2037/2000, (EC)304/2003
- Canada Workplace Hazardous Materials Information System
- Australia National Occupational Health and Safety Commission's Approved Criteria for Classifying Hazardous Substances [NOHSC:1008]

Abbreviations:

EU: European Union.

- OSHA PEL: PEL(Permissible Exposure Limit) under Occupational Safety and Health Administration (USA).
- ACGIH TLV: TLV(Threshold Limit Value) under American Conference of Governmental Industrial Hygienists.
- EU ILV: Indicative Limit Values for Occupational Exposure under EU Directive 91/322/EEC, 2000/39/EC and 2006/15/EC.
- DFG MAK: MAK(Maximale Arbeitsplatz-Konzentration) under Deutsche Forschungsgemeinschaft.
- TWA: Time Weighted Average.
- STEL: Short Term Exposure Limit.
- IARC: International Agency for Research on Cancer.
- NTP: National Toxicology Program (USA).
- OSHA HCS: Occupational Safety and Health Act, Hazard Communication Standard (USA).
- FHSA: Federal Hazardous Substances Act (USA).
- WHMIS: Workplace Hazardous Materials Information System.
- NOHSC: National Occupational Health and Safety Commission.

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